Honors Biology Name:

*Hershey and Chase Experiment: Confirming the Transforming Agent*

What year did Hershey and Chase’s experiment occur?

Discuss the goal of Hershey and Chase’s investigation. Why did they need to do this experiment, when Avery already showed what the transforming agent was?

What is a bacteriophage? How does it attack bacteria (give me a step by step)?

Why did Hershey and chase use radioactive Sulfur and Phosphorus in their experiment?

Evaluate which experiment, Avery’s or Hershey and Chase’s, was more effective at demonstrating how DNA was the transformative agent.

Step by step explain Hershey and Chase ‘s experiment?

Summarize the results of Hershey and Chase’s experiment. How do you know?

Write a hypothesis for Hershey and Chase’s experiment.